FIG. 1A

FIG. 1B

FIG. 2A

$$\begin{array}{c|c}
0 & 0 \\
II & C=0 \\
0 & R
\end{array}$$

$$NH_2R \qquad \begin{array}{c}
MINOR \ PRODUCT - 15\% \\
RING \ OPENING \ AMIDE \ FORMATION
\end{array}$$

MAJOR PRODUCT – 85% MICHAEL ADDITION

MINOR PRODUCT -MICHAEL ADDITION

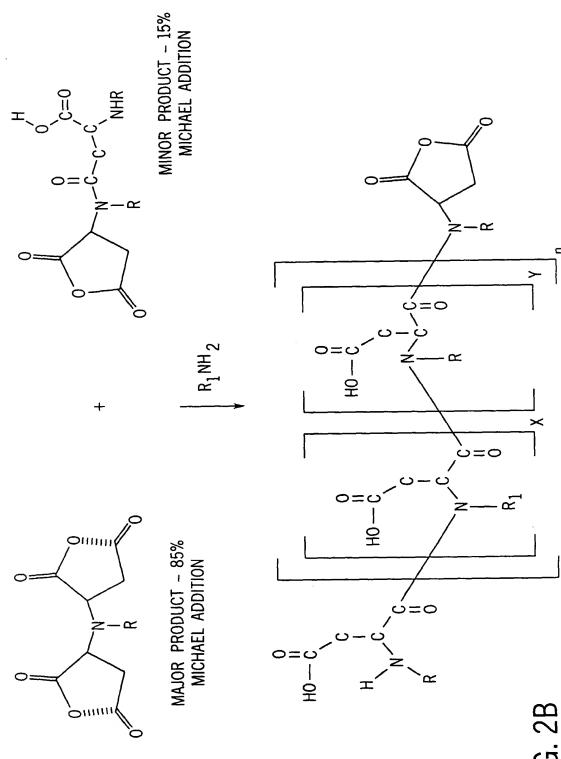


FIG. 2B